

## DXpedition News

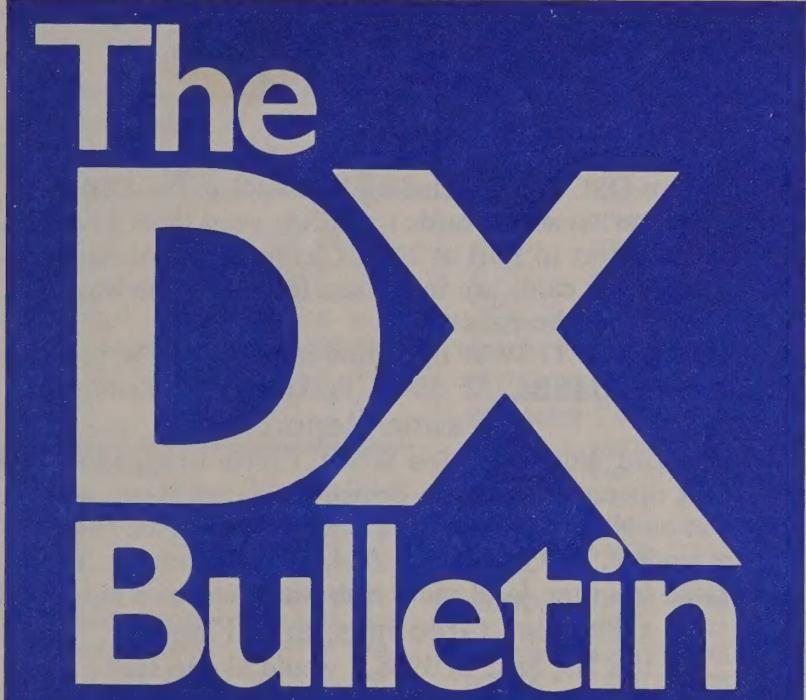
**Mellish Reef - VK9Z** The **VK9ZM** DXpedition (OC-72) is set for Jan. 8-16, 160-6 meters, CW, SSB, and RTTY. No WARC band operation. QSL NM2L.

**American Samoa - KH8 KH8/IK2GNW** will be on from (OC-45) Dec. 27-Jan. 8, SSB only, 10-80 meters (no 160 operation.) Watch 28500, 21200, 14200, 7050, and 3790 kHz. QSL to home callsign.

**Netherlands Antilles - PJ** John Thompson W1BIH starts his annual Curacao (SA-06) operation as **PJ9JT** Jan. 10, and continuing into April. He'll be very active as always, on 160-6 meters, and satellite. QSL all contacts to W1AX. Please don't send cards to John's home QTH nor to the PJ bureau.

**Canary Islands - EA8** *DXPress* reports that **EA8/DJ3OS** will continue his operation from (AF-04) through the end of the year. He has been very active on 6 meters. QSL to his home call, or via the DARC bureau.

Edited by Chod Harris VP2ML



America's Premier Weekly Amateur Radio Publication

**Sri Lanka - 4S7** *Japan DX News* reports that JA1MLV, JG1PUO, JG1DGZ, and JA1UXC will operate as **4S7EA** Dec. 30-Jan. 3 from (AS-03).

**Turks and Caicos - VP5** Look for K2PZ, N2FGE, and KN2N /VP5 (NA-02) Feb. 4-11, CW, SSB, and RTTY. QSL home calls, with SASE.

**India - VU** Three German DXers will operate from India in January, concentrating on the low bands. Look for **VU2INK** (DF5UG), **VU2BMS** (DL2GAC), and **VU2NFG** (DJ9RB) Jan. 7-8, 14-15, and 21-22. For Europe they'll be on 1823.5 kHz, listening 1832, and 3502 and 7002 kHz, listening up 2, 0045-0110Z. On SSB, Europe should try 3799.5 at 1900Z, and 7099.5 at 1700Z. US DXers should watch the same frequencies 1145-1330Z. Also try 14275 kHz at 1400Z, 21275 at 1000Z, and 28575 at 0800Z. QSL home calls after Feb. 1.

December 23, 1988

Issue 468

## DXCC/DXAC News

The DX Advisory Committee has unanimously recommended that **Rotuma 3D** be added to the DXCC list as a separate country, the first such coming out of Rule 2 of the recently revised DXCC rules. The Awards Committee at ARRL Hq. will vote on the issue before the end of the year, and will likely confirm the DXAC recommendation. Effective date for adding Rotuma to the DXCC list will be the start of the **3D2XX** operation in October.

At the same time, the DXAC voted against adding Okino-Torishima 7J to the DXCC list, by a 2-1 margin. Baldwin's Reef will not be resurrected at this time.

Also, the DXCC desk has received appropriate documentation for DJ6SI's **5UV386** operation, and it is now accepted for DXCC credit for Niger.

### Shortly Noted

- **SM7CRW** wants to finish up his 5-Band WAS, and needs AK ID NV NM UT VT and WY on 40 meters. He checks into KD0JL's net on 7160 kHz 08-0900Z. Any help?
- The Colvins have moved their Yasme DXpedition to Malta, and are active as **9H3JM**. Try 20M SSB 15-1700Z.
- **YL2RG** until Jan. 15 celebrates 70 years of Latvian independence.
- **8P9EM** is operated by G3VBL to Jan. 2. He's been active on 10 M SSB, and promises 160M activity. QSL home call.
- Regulars (call, frequency or band, UTC): **VS6DO** 1826 or 3504 1145-1200Z (East Coast); **XF1C** 1831 07 or 1300Z, and 3507 1100Z; **4X6UJ** 3795 0230Z; **5B4OA** 3795 0200Z; **A92BE** 3795 0130Z; **OD5VT** 3793 0350 or 2100Z; **BV2A** 40M CW 14-1500Z (West Coast); **BY4RB** 7006 1200Z; **HZ1AB** 7002 23-0100Z; **SU1EE** 7026 or 7005 0000Z and 0430Z, and long path to West Coast at 1500Z; **TU4CO** 7010 0700Z; **VP8BUO** 7005 22-2300Z; **3B8CF** 14035 0230Z; **4K0D** 14032 2300Z; **4S7TP** 14010 0130Z; **RV0YF** (Zone 23) 20M CW 0130-0300Z; **TU2JL** 20M SSB 0400Z; **ZD8BOB** 15M CW 2100Z; **S92LB** 21289 2030Z; and **9Q5DX** 10M CW 1500Z.
- **6 meters** has been great in December, including opening well after local sunset in Europe. In addition to the stations in Bandpass this week, **G3GJQ/5N0** and **J52US** have been very active. Listen on 28885 kHz for 6-meter news.

### Islands On The Air

- **Chandeleur Is. (NA-89)** will be on for the first time Jan. 13-15, with K5KR, N5GPP, WB5SSD, K5MK, K5LM, and W5ZPA of the Delta DX Asso. They'll be in the IOTA net on 14260/21260 1300Z on Sat. and Sun., and usual DX frequencies at other time. Watch for **W5ZPA** on CW, **K5KR** on SSB, and **WB5SSD** on 6 meters. QSL home calls with SASE.
- The Pacific IOTA net on 21250 at 0000Z Friday and Saturday attracts such goodies as **JH6DTX** on (AS-32), **JH6PMD** on (AS-40), and **YB9LA** on (OC-22).
- **RA0BB** on (EU-35) likes 7006 kHz at 0400Z.
- **UA1PAS** is on Kolguyev Is. (EU-85).
- **AL7DX** on Fox Is. (NA-59) likes 14260 kHz at 1900Z.
- **KX6LJ** is on (OC-87) Enewetak Atoll until Jan. 10.
- The new edition of the **Islands On The Air** directory is available from The DX Bulletin for \$3, postpaid.

## Propagation

### Forecast and Historical Data

Day	Forecast	27 Days Before	55 Days Before
December			
23	High Normal	11/26 142 13/18 2	10/29 156 02/09 0
24	High Normal	11/27 145 09/11 2	10/30 167 03/09 3
25	Above Normal	11/28 142 09/10 2	10/31 161 11/15 2
26	Above Normal	11/29 143 07/09 1	11/01 157 07/11 2
27	Below Normal	11/30 140 31/29 4	11/02 167 19/24 4
28	Above Normal	12/01 155 07/10 1	11/03 167 24/25 3
29	High Normal	12/02 154 16/17 4	11/04 162 07/09 2
30	High Normal	12/03 151 19/18 4	11/05 169 08/12 2
January 1989			
1	Above Normal	12/04 146 10/11 1	11/06 165 14/14 2
2	Above Normal	12/05 163 02/06 1	11/07 155 17/17 3
3	Above Normal	12/06 164 02/06 0	11/08 146 13/13 3

### Propagation Watch

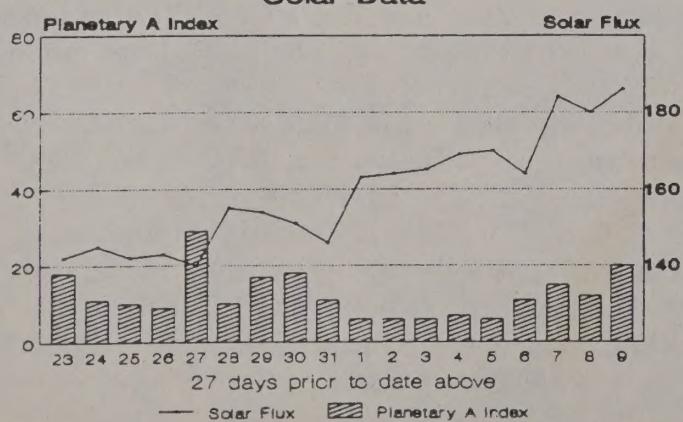
In Issue 466, this propagation forecaster warned of a possible sudden increase in solar activity, accompanied with active geomagnetic fields. Although this was not expected on the basis of 27- and 55-day previous data, the crystal ball was right on this time, as solar flux sky-rocketed to a new Cycle 22 high of over 250! The last time the solar flux was that high was six years ago, in December, 1982.

Although this dramatic increase in solar activity is welcome news to DXers concerned over the recent stagnant flux figures, the increase is not without its negative side. The solar regions (groups of sunspots) that boosted the flux also produced a rash of flares, which caused the geomagnetic activity to rise to major storm levels.

A series of flares Dec. 16-18 pushed the planetary A index high enough to eliminate the usually-productive long path and polar path. Increased absorption meant low-band DXers were better off going to bed than fighting weak signals and high noise. Finally, the sudden boost of flux was not enough to push maximum usable frequencies (MUFs) much higher, at this time of seasonally low MUFs.

If solar activity returns to more normal levels, DXers should again check out the long path on 20, 30, and 40 meters, to the west and south within a hour or two of local dawn. Europe is especially loud into the West Coast on 40 meters at local sunrise. 80 meters may also be open at this time. The higher bands are open during the daylight hours, but tend to close around local sunset. Watch the 20-meter long path in the early evening, as well as the polar path, for deep Russians, India, etc. And keep a ear on 6 meters, as mid-December has seen some excellent openings on 6, thanks to the increase in solar flux.

Solar Data



### The DX Bulletin's Publishing Schedule

With this Issue, your hard-working editor takes his annual Christmas "vacation." There will be no Issue dated Dec. 30. The next Issue, number 469, will be dated Jan. 6, 1989. Meanwhile, the first issue of *The DX Magazine* will be mailed to you on Dec. 21. You should receive it around the first of the new year.

Merry Christmas and Happy New Year to all *The DX Bulletin* subscribers around the world, and a special welcome to the 1,100 new readers who joined the rapidly-growing *The DX Bulletin* family in the past two months. 1989 promises to be a great year for DX.

### Incommunicado, Again

For the second time in a month, *The DX Bulletin*'s phone went unanswered for an extended time. This time it was 80+ mph winds that knocked out power to our ridge-top offices for two days, Dec. 14-15. Although the phones were working, the answering machines were not, and your editor was huddling around the wood stove, praying for his antennas, rather than freezing in the shack. (The antennas survived, except for the 6-meter beam that ended up in a tree, just went 6 started hopping!) Our apologies to anyone who tried to reach us during the power outage.

### QSL Information

Karl Renz K4YT has returned to Washington DC after his stint in the Philippines. He's resuming the handling of his own QSL cards, including **K4YT/4I** in the CQWW SSB. So don't send his cards to KE3A; send them instead to W2TK or direct to Karl at 29 E. Chapman St., Alexandria VA 22301. His cards are in the sea freight on the way back to the states, so be patient.

QSL the **TF3WW** operation in CQWW CW to Erkki Korhonen OH4NRC, SF 58830, Parkumäki, Finland.

### Yasme Report

Lloyd W6KG and Iris W6QL Colvin wrapped up their **ZC4ZR** operation from the British Sovereign Bases on Cyprus on Nov. 27, and moved over to Malta (see page 1.) They made 7,500 QSOs from ZC4, in 117 countries. They operated from the local radio club with their own equipment.

### Holiday Greetings, and Thanks

In this last issue of 1988, I would like to take a moment to thank all those people who make *The DX Bulletin* possible every week. *The DX Bulletin*'s office manager, **Donica Hopkins**, keeps your subscription files up to date, handles many of your requests for report forms and samples, and generally keeps the place from falling apart. **Jim Cruit** at AJ Printing somehow manages to print and fold the many thousands of copies of each issue on time every week, even on holidays. And **Steve Aquilina** of Buffalo Enterprises stuffs, labels, bundles, and sorts all those copies, and gets them to the post office without fail.

But even more important than the paid staff of *The DX Bulletin* are the unsung heroes whose callsigns appear in the bottom right hand corner of page 4 every week: the contributors who supply the DX information. Without the help of those 100 or so DXers every week, these pages would be blank. So Merry Christmas and a Happy New Year to every *The DX Bulletin* reader, and a special thanks and wishes for good DX to those hundreds of contributors who make *The DX Bulletin* work every week! -Chod Harris VP2ML.

# B . A . N . D . P . A . S . S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. \* = long path. P = packet.

All "portable" calls listed with country of operation first, regardless of format used on the air.

<b>RTTY</b>	LZ1KDP *	7004	1530	12	OR	7X5ST	14256	0647	10	MT	9Q5UN	28014	2050	3	FL
C56/ 6W6JX	14085	2302	2	FL	OZ1FTE *	7007	1459	12	OR	9H3JM	14185	1455	12	CA	
CO2BB	28095	1450	4	OH	PY0FF	7004	0028	12	FL	9H3JM *	14185	1535	12	CA	
DA2KY	28089	1730	13	CA	PZ1DV	7002	0120	12	FL	A22BW *	14195	1500	3	MT	
HP1AC	28092	2338	30	OH	RA0BB	7007	0405	11	CA	A22RB	14160	2335	7	MT	
LX1DA	28097	1523	8	OH	RTOUM	7015	0600	4	NH	A4XKC *	14172	1310	10	IL	
ON4QM	14096	2033	12	CA	RVOYF	7007	1136	13	CT	AP2DM	14200	0219	10	MT	
SV5TS	14096	1655	5	NH	RVOYF *	7006	1204	10	AZ	EP2DL *	14210	1449	9	AZ	
SV5TS P	21105	1600	11	OH	Zone 23					FH4EE	14203	0311	15	MA	
TF3EJ	28090	1612	4	OH	SU1EE	7026	0430	8	NY	FH8CB	14163	2331	3	MT	
UB5ACU	14091	1625	9	CA	SU1EE	7005	0004	9	NY	KC4AAA	14247	0500	9	NY	
VP2MHD	21090	1555	3	OH	SU1EE *	7019	1510	12	ID	OD5VT	14252	0623	10	NY	
Y23NI	21089	1455	4	OH	SV0CR	7003	2130	10	CT	OD5VT	14226	1430	9	CA	
YU3HR	21090	1620	9	CA	T32AF	7002	0406	14	CT	TF3CW	14200	0114	8	CA	
ZS6CBJ	14095	2050	10	OH	TA1AR	7017	0036	12	FL	TU2JL	14184	0417	13	MA	
<b>160 Meters</b>					TA2AO	7004	0320	8	OH	UH8AAC	14225	0345	9	MT	
FM6BH	1831	0820	9	VT	TA4A	7003	0030	13	FL	UI8CD	14244	0252	10	OR	
HP3FL	1838	0320	11	MA	TK5IU	7015	0329	12	MI	UI8FM	14245	0249	9	MT	
KH6CC	1832	0523	8	WA	TU4CO	7009	2226	10	NY	UI8QZ	14207	0330	13	CA	
KX6DC	1833	0620	7	WA	TU4CO	7010	0644	11	CA	UL7GM	14222	0249	8	MT	
TA1KA/2	1832	0433	11	TX	UA1OIL	7001	0450	13	CA	UL7JC	14193	0313	8	MT	
VP2M/	1830	0520	10	WA	UA1OIL	7001	1200	8	MA	UL7MW	14226	0314	10	CA	
ND3A The Last Resort					Franz Josef Land					VR6ID	14245	0310	10	CA	
VS6DO	1826	1143	8	MA	UA9KM	7014	0340	7	VT	VU2AU	14191	0148	2	MI	
XF1C	1830	0650	5	CA	UG6GAW	7006	2125	6	FL	VU2CK	14212	0230	8	MT	
XF1C	1830	1301	8	MT	UG6GAW	7004	1408	7	OR	Y88POL	14160	0027	30	BC	
<b>80 Meters</b>					UG6GM *	7014	1526	10	ID	<b>17 Meters</b>					
CX4SB	3502	2328	15	FL	UP1BYC *	7007	1422	12	OR	6Y5IC	18111	2353	29	NS	
EA8BTO	3501	2330	5	IA	UZ9AYA *	7007	1217	29	MD	FY5AU	18110	2050	3	NS	
JA6LCJ*	3501	2155	11	MA	VP8BUO	7006	2311	13	CT	J6LQC	18110	2023	3	NS	
PY0FF	3502	0145	5	IA	VQ9QM	7007	2327	1	CT	LU7ER	18125	2254	11	NS	
UA0FM	3505	1203	30	MD	VS6UP	7006	1409	11	CA	ON4ABB	18111	1822	30	NS	
VS6DO *	3508	1123	8	PA	VU2TEC	7005	1218	10	NY	VK7KO	18110	0121	3	NS	
XF1C	3507	1101	16	PA	VU2TEC *	7006	1215	10	WY	VP2EHF	18110	1256	30	NS	
YJ8NJS	3505	1141	10	PA	YB0DPO	7001	1445	6	ID	ZL1ACW	18110	2329	3	NS	
<b>75 Meters</b>					ZF2NC/8	7003	0039	15	FL	ZS6GG	18115	1732	1	NS	
3B8CF	14032	0235	7	FL	<b>20 Meter CW</b>					<b>15 Meter CW</b>					
3B8DA	14026	0258	10	FL	3B8FQ	14010	0216	15	MA	7X4VUK	21003	1351	11	IL	
4K0D	14034	2308	9	MT	4S7EA	14005	2212	13	MA	9M2FS	21025	0204	5	CA	
4S7TP	14010	0139	10	KY	9J2BO	14057	0246	11	FL	C53GS	21004	2310	8	OR	
9J2BO	14015	1447	10	MT	9K2RA	14015	1447	10	MT	EL7X	21010	2205	8	LA	
9M2AX	14021	2355	8	FL	9M2AX *	14021	0005	6	MI	HZ1AB *	21017	1554	4	CA	
9M2DI *	14007	0054	8	NY	UA1OT	21020	1738	10	LA	TR8JLD	21020	2027	6	FL	
EA9KQ	14003	0245	1	FL	Franz Josef Land					UA1OT	21025	2027	6	FL	
JT1T	14009	0145	3	OR	VU2BK	21033	1419	12	VT	VU2BK	21033	1419	12	VT	
JY9SR	14027	0245	7	OR	5V7TM	21214	2042	13	MA	ZD8BOB	21028	2116	11	KS	
PY0FF	14020	0320	7	OH	RV0YF	14021	0150	10	FL	ZD8IAN	21052	1840	2	NH	
ST2KR	14019	2121	2	NH	TF3CW	14030	2236	5	NH	<b>15 Meter SSB</b>					
UA1O/	14007	0127	10	KY	UA1O/	14007	0127	10	KY	3X1SG	21331	2159	10	CT	
UA0BDU	14021	0330	7	FL	UA1OIL	14021	1912	8	NH	5V7TM	21214	2042	13	MA	
UA1OIL	14026	1912	8	NH	UA1OIL	14005	2323	12	PA	FK8EB	21335	853	8	NJ	
UI8ACQ	14021	0316	8	MT	UI8ACQ	14021	0316	8	MT	LU5EAS/Z	21295	1921	3	KY	
UI9ACL	14007	0243	11	FL	UI9ACP	14007	0258	11	FL	South Orkneys					
UL7GDX	14036	0252	11	FL	UL7MO	14007	0518	11	CA	S01MZ	21230	2050	7	KS	
UL7RDW	14050	0247	11	FL	VU2IOC	14006	1300	8	FL	S92LB	21289	2025	12	PA	
VK9NL	14065	1200	8	OH	VU2TEC	14013	1323	10	FL	SV5TS	21251	1447	10	CT	
VU2IOC	14006	1300	8	FL	VU2TEC	14018	0238	11	FL	TL8JL	21345	1950	12	NY	
YN3CC	14005	0016	17	FL	YN3CC	14005	0016	17	FL	TR8RLA	21254	2135	12	PA	
<b>20 Meter SSB</b>					5V7TM	14183	2206	7	KY	V85HG	21285	2311	1	FL	
5W1NQ	14173	0014	13	CA	6W1NQ	14173	0014	13	CA	<b>12 Meters</b>					
<b>10 Meter CW</b>					BY4WNG	24903	0124	4	CA	BY4WNG	24903	0124	4	CA	
					GJ3EML	24895	1445	10	CT	GJ3EML	24895	1445	10	CT	
					KX4GL	24950	2340	3	CA	KX4GL	24950	2340	3	CA	
					VU2ZAP	24945	0146	4	CA	VU2ZAP	24945	0146	4	CA	
					<b>Novice Band</b>					<b>10 Meter CW</b>					
					EA1DVY	21131	1547	17	FL	3C1MM	28017	1358	6	AL	
					G0BLE	21113	1521	17	FL	3D2TB	28028	2235	3	FL	
					HB9JAD	28125	1345	17	FL	5T5CJ	28034	1842	10	CA	
					IN3EYY	21120	1527	17	FL	5T5CJ	28042	1550	10	CT	
					OK2ISQ	21136	1351	17	FL	9J2BO	28025	1810	1	IA	
					ON5LR	21129	1350	17	FL	9J2KF	28016	1600	4	NH	
					SM5ABW	21109	1346	17	FL	9Q5DX	28029	1828	17	FL	
					UB5CHJ	21113	1522	17	FL	YT2IX	28115	1344	17	FL	
					UQ2GRX	21131	1554	17	FL						



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(Changes and hot info in boldface.)

Algeria - TX	7X3DA 40M CW 0630-0730Z	I466	New Caledonia - FK	FK8FN 10M CW 2000Z	I465
American Samoa	KH8/IK2GNW Dec. 27-Jan. 8	I468	Niger - 5U	TU4BR/5U7 3790-3802 0500Z	I467
Antarctica	KC4AAA 14240-250 04-0600z	I463	Papua New Guinea	by DJ6SI Dec. 26-Jan 1	I465
Aruba - P40	Y88POL 20M SSB 0030Z	I466	Rwanda - 9X	P29KN 28595 0100Z	I465
Ascension - ZD8	P40T M/S ARRL SSB	I467	St. Vincent - J8	9X5AA 15M CW 2000Z	I465
Bahrain - A9	ZD8IAN 7007 0530Z	I467	South Shetlands	J8DX ARRL CW, SSB	I467
Barbados - 8P	A92BE 3795 kHz 0130Z	I468	Sri Lanka - 4S	EA0BAE Jan 10-Apr 10	I465
Botswana - A2	8P9EM by G3VBL to Jan. 2	I468	Sudan - ST	7 up on CW, 7043, 14233, 21245	
Canary Islands - EA8	A22FN 15M SSB 2100Z	I467	Swaziland - 3DA0	4S7EA 14010 2330Z	I466
Cayman Is. - ZF2	DL3OS/EA8 to Dec. 31	I468	Tanzania - 5H	by JAs Dec. 30-Jan. 3	I468
Cayman Brac - ZF9	ZF2/ZF9 by W2YG Dec. 26-Jan 3	I467	Trisan da Cunha - ZD9	4S7TP 20M CW 0100Z	I466
Chagos - VQ9	VQ9QM 21035-40 1430Z	I465	Turkoman - UH	ST2KR 20M CW 2200Z	I466
China - BY	BY4RB 7006 kHz 0600Z	I468	Turks & Caicos - VP5	ON6BC/ST4 25 kHz up, 3500	I466
Egypt - SU	SU1EE 7026/7005 kHz 00, 0430Z	I468		by ZS6BCR Dec. 27-Jan 1	I467
Gabon - TR	SU1EK 28600 1300Z	I467		5H1HK 3507 2145Z	I465
Guinea-Bissau - J5	TR8SA 28560 kHz 2100Z	I465		ZD9BV 28466 kHz 1600Z	I467
Hong Kong - VS6	J52US 1832 kHz 0030Z	I466		UH8AAC 20M SSB 0145Z	I467
India - VU	VS6DO 1826/3504 1145Z	I468		VP5/G0AZT, AA5AU Jan. 12-19	I466
Ivory Coast - TU	Low Bands Jan. weekends	I468		K2PZ, N2FGE, KN2N Feb. 4-11	I468
Jan Mayen - JX	TU2JL 20M SSB 0400Z	I468		UI9AAB 20M CW 0230Z	I465
Laccadives - VU7	TU4CO 7010 0700Z	I468		UI8FM 20M SSB 0330Z	I465
Lebanon - OD	JX1UG to March	I457		HV3SJ 21290 1545Z	I467
Lesotho - 7P8	Dec. 15-March 30	I465		9Q5DX 14015 2230-2330Z	I464
Malagasy - 5R	OD5VT 3793 0300Z or 2100Z	I467		VE2EDK/VO2 Dec. 22-29	I467
Maldives - 8Q	7P8DP 15M SSB 1845Z	I467		RV0YF 20M CW 00-0200Z	I467
Malta - 9H	5R8AL late January	I466		<b>DX Activities and Contests</b>	
Marion Is. ZS8	8Q7BX Dec. 23-Jan 2 CW	I466	Date	Event or Activity	Info
Marquesas - FO	9H3JM by Colvins now	I468	Dec. 31	DXCC Golden Jubilee deadline	QST
Mauritius - 3B	ZS8MI April 1989	I465	Jan. 7-8	ARRL RTTY Contest	QST
Mellish Reef - VK9	FO0FB early March	I467	Jan. 27-29	CQWW 160 Meter Contest	CQ
Minami Torishima	3B8CF 14035 0230Z	I468		<b>Contributors</b>	
Mongolia - JT	by VE3IEO Jan 6-16	I464		This Issue of <b>The DX Bulletin</b> would not have been	
Montserrat - VP2M	1827/32 kHz on 160	I467		possible without the invaluable assistance of the following:	
Mozambique - C9	JH7EAY/JD1 for six months	I464		KH6BZF, SESC, AB8K, K1IK, K2EK, K2PEQ, K4MF,	
Namibia - ZS3	JT1BG 15M SSB 0030Z	I463		K5WGQ, K6FD, K7ABV, K7JA/6, K7SLI, K8NEU, KA1BSZ,	
Nepal - 9N	VP2M/F2JD now on CW	I466		KA1XN, KA4YAE, KA6A, KA7T, KC7V, KD7SO, KE7X,	
Netherlands Antilles	VP2MU SSB by AA4NC	I467		KI8W, KM1E, KM9J, KV4AM, N1HN, N2GLH, N2HLZ,	
	C9MKT Jan. 13-15, 21335 1800Z	I467		N4XR, N6IBP, N6IG, NS7Z, VE1YX, VE3NN, VE7AHA,	
	14195 1600Z, 28595 1430Z	I466		W0RT, W1BFT, W1CYB, W1FV, W1NG, W1WAI, W3MFW,	
	ZS3Z CW late December	I466		W4VQ, W5FIX, W5LLU, W6AUG, W6JOX, W6MUS,	
	160, 80, 40, 6M	I467		W6ZH, W7AWA, WA4SAC, WA9AQE, WB2K, WB3AVN,	
	9N88C Dec. 25-Jan 5	I465		WB4VKW, WB8SFF, WB8ZRL, WC6I, WJ7R, K4YT, K2PZ,	
	03,13,33,133,233,333 kHz up	I467		DL2GAC, K8NA, K1RH, KD0JL, W1AW, W1BIH, K2DOX,	
	PJ9JT Jan. 10-April	I468		W6BL, WK7Z, N9GMM, W6KG, W5ZPA, DXPress, Japan	
				DX News, DXNS, and the NCDXC. Thanks for your help! -ed.	